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- 1** [The impact of web-based service on switching cost: evidence from Thai internet banking](#)

Rotchanakitumnuai Siriluck, Mark Speece

 August 2005 **ICEC '05**: Proceedings of the 7th international conference on Electronic commerce

**Publisher:** ACM

 Full text available: [pdf\(384.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This study explored corporate customers' perceptions toward the benefits and barriers of web-based service in the context of Thai Internet banking, and examined the impact of the benefits and barriers on the overall customer relationship to the bank ...

**Keywords:** customer relationships, switching cost, web barriers, web benefits

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- 2** [Mining user navigation patterns for personalizing topic directories](#)

Theodore Dalamagas, Panagiotis Bouros, Theodore Galanis, Magdalini Eirinaki, Timos Sellis

 November 2007 **WIDM '07**: Proceedings of the 9th annual ACM international workshop on Web information and data management

**Publisher:** ACM

 Full text available: [pdf\(427.20 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Topic directories are popular means of organizing information resources in the web. In this work, we introduce a methodology for personalizing topic directories. The key feature of our methodology is that the personalization is based on the mining of ...

**Keywords:** navigation patterns, personalization, sequential patterns, topic directories

- 3** [Dynamic switching of coherent cache protocols and its effects on Doacross loops](#)

Takashi Matsumoto, Kei Hiraki

 August 1993 **ICS '93**: Proceedings of the 7th international conference on Supercomputing

**Publisher:** ACM

 Full text available: [pdf\(982.52 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


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### 1 Dynamic hierarchical database architecture for location management in PCS networks

**Joseph S. M. Ho, Ian F. Akyildiz**

 October 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 5

**Publisher:** IEEE Press

 Full text available: [pdf\(292.92 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Keywords:** call delivery, directory register, home location register, location registration, visitor location register

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### 2 Express virtual channels: towards the ideal interconnection fabric

Amit Kumar, Li-Shiuan Peh, Partha Kundu, Niraj K. Jha

 June 2007 **ACM SIGARCH Computer Architecture News**, Volume 35 Issue 2

**Publisher:** ACM

 Full text available: [pdf\(1.29 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Due to wire delay scalability and bandwidth limitations inherent in shared buses and dedicated links, packet-switched on-chip interconnection networks are fast emerging as the pervasive communication fabric to connect different processing elements in ...

**Keywords:** flow-control, packet-switching, router design

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### 3 Express virtual channels: towards the ideal interconnection fabric

Amit Kumar, Li-Shiuan Peh, Partha Kundu, Niraj K. Jha

 June 2007 **ISCA '07: Proceedings of the 34th annual international symposium on Computer architecture**
**Publisher:** ACM

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Due to wire delay scalability and bandwidth limitations inherent in shared buses and dedicated links, packet-switched on-chip interconnection networks are fast emerging as the pervasive communication fabric to connect different processing elements in ...

**Keywords:** flow-control, packet-switching, router design

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 1. A cache coherency scheme for an asynchronous packet-switched shared memory multiprocessor

Alles, S.; Mahmud, S.;

[Circuits and Systems, 1993. Proceedings of the 36th Midwest Symposium on](#)

16-18 Aug. 1993 Page(s):173 - 176 vol.1

Digital Object Identifier 10.1109/MWSCAS.1993.343101

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#### Using Switch Directories to Speed Up Cache-to-Cache Transfers in CCNUMA

##### Multiprocessors - all 9 versions »

R Iyer, LN Bhuyan, A Nanda - Proc. of the 14th Int'l Parallel and Distributed Processing ..., 2000 - doi.ieeecomputersociety.org

... By incorporating small fast **directories** in the **switching** elements of the BMIN, we can capture ownership information for frequently modified blocks and re ...

Cited by 11 - Related Articles - Web Search

#### Evaluation and analysis of users' activity organization - all 3 versions »

L Bannon, A Cypher, S Greenspan, ML Monty - Proceedings of the SIGCHI conference on Human Factors in ..., 1983 - portal.acm.org

... In order for the user to be able to make a note about an idea in the relevant environment, the user must stop the current task, **switch directories**, open a new ...

Cited by 56 - Related Articles - Web Search

#### Corporate voice dialing with shared **directories** - all 2 versions »

AP Ittycheriah, SH Maes - US Patent 5,924,070, 1999 - Google Patents

... it is seen that there is a need to provide publishable entries at the will of any user and selectively provide for the **switching of directories** between users ...

Cited by 20 - Related Articles - Web Search

#### Optimum write-back strategy for directory-based cache coherence protocols - all 4 versions »

SJ Baylor, KP McAuliffe, BD Rathi - US Patent 5,313,609, 1994 - Google Patents

... a multistage interconnection network (MIN) to a memory having m memory modules (MM) with m associated global **directories**; FIG ... 3 illustrates a 2\*2 **switch** of FIG ...

Cited by 60 - Related Articles - Web Search

#### Global management of telephone directory - all 3 versions »

MR Sestak, ML Wright, JL Fagan - US Patent 5,509,058, 1996 - Google Patents

... 10 There are various ways of propagating new entries, modified entries, or deletions of data entries to the various 35 **switching system directories**. ...

Cited by 26 - Related Articles - Web Search

#### Introducing Memory Into The Switch Elements Of Multiprocessor Interconnection Networks - all 2 versions »

HE Mizrahi, JL Baer, ED Lazowska, J Zahorjan - Computer Architecture, 1989. The 16th Annual International ... - ieeexplore.ieee.org

... on two assumptions: that the data memory in each **switch** is large enough to contain all the shared data, and that the switches' **directories** hold "full" ...

Cited by 15 - Related Articles - Web Search - Library Search

#### ... change-to-dirty commands in a switch based multi-processing system with coarse **directories** - all 3 versions »

SR VanDoren, SC Steely, M Sharma, K Gharachorloo - US Patent 6,101,420, 2000 - Google Patents

... VanDoren et al. [54] METHOD AND APPARATUS FOR DISAMBIGUATING CHANGE-TO-DIRTY COMMANDS

IN A **SWITCH BASED MULTI-PROCESSING SYSTEM WITH COARSE DIRECTORIES** ...

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[A Agarwal](#)  
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[J Kubiatowicz](#)  
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#### The MIT Alewife Machine: A Large-Scale Distributed-Memory Multiprocessor - all 7 versions »

A Agarwal, D Chaiken, K Johnson, D Kranz, G Maa, D ... - Scalable Shared Memory Multiprocessors, 1992 - books.google.com  
... for software emulation of a full-map **directory** when the small set of **pointers** overflows ...  
and provides fast traps through the same context **switching** mechanism ...  
Cited by 216 - Related Articles - Web Search - Library Search

#### LimitLESS directories: A scalable cache coherence scheme - all 22 versions »

D Chaiken, J Kubiatowicz, A Agarwal - Proceedings of the fourth international conference on ..., 1991 - portal.acm.org  
... it allocates only a small, fixed number of **pointers** per entry. Once all of the **pointers** in a **directory** entry are filled, the ... thrashing, of **directory pointers** ...  
Cited by 236 - Related Articles - Web Search - Library Search

#### Directory-based cache coherence in large-scale multiprocessors - all 9 versions »

D Chaiken, C Fields, K Kurihara, A Agarwal - Computer, 1990 - doi.ieeecs.org  
... Direct mapped Cache-update policy Write back **Directory pointer** replace policy Random Network Network message header size Network **switch** size Network channel ...  
Cited by 169 - Related Articles - Web Search

#### Reducing Memory and Traffic Requirements for Scalable Directory-Based Cache Coherence Schemes - all 12 versions »

A Gupta, WD Weber, T Mowry - Scalable Shared Memory Multiprocessors, 1992 - books.google.com  
... 1 CV scheme were used with a sparse **directory**, more **pointers** I and ... keep the **directory** memory overhead at the same level by **switching** to sparse **directories**. ...  
Cited by 116 - Related Articles - Web Search - Library Search

#### Distributed-directory scheme: scalable coherent interface - all 4 versions »

DV James, AT Laundrie, S Gjessing, GS Sohi - Computer, 1990 - ieeexplore.ieee.org  
... efficiently, according to experienced **switch** designers, and ... The solid line illustrates the sharing-list **pointers**. ... Unlike the central-**directory** schemes, request ...  
Cited by 119 - Related Articles - Web Search

#### Method and system for restructuring a call signal frame in a cellular mobile telephone system having ... - all 3 versions »

A Peltonen, BAV Astrom, MV Gandils, MO Stille, SJ ... - US Patent 5,467,381, 1995 - Google Patents  
... Using the **directory** number MSN as a **pointer**, the subscriber identity number IMSI and the **switching** centre MSC/GLR number PRN are collected from the called ...  
Cited by 36 - Related Articles - Web Search

#### Modeling the performance of limited **pointers** **directories** for cache coherence - all 2 versions »

R Simoni, M Horowitz - Proceedings of the 18th annual international symposium on ..., 1991 - portal.acm.org  
... evaluate the efficiency of limited **pointers** **directories** in large-scale systems.  
Our model ... 309 Page 2. 2 Limited **Pointers** **Directories** Most ...  
Cited by 15 - Related Articles - Web Search

#### Two economical directory schemes for large-scale cache coherent multiprocessors

YC Maa, DK Pradhan, D Thiebaut - ACM SIGARCH Computer Architecture News, 1991 - portal.acm.org

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	5	"837119".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 12:22
S5	1300	hierarchical adj file	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 12:23
S4	6	"185591".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 12:23
S7	767	S6 and (file adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 12:24
S8	322	S7 and (root adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 12:25
S9	9	S8 and (sub-hierarch\$4 or subhierarch\$4 or sub-hierarch\$4 or sybsystem or sub-system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 13:35
S10	94	Hidden near2 (file adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 13:36
S13	149	backup adj directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/05 13:26

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S12	6	"337114".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/05 13:26
S1	1582805	computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 14:55
S15	1	"20040267801" and relocat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 14:56
S11	74	S10 and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:18
S18	1	S17 and "20040133790"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:19
S17	75	S16 and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:19
S16	101	Hidden near2 (file adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:19
S19	0	S17 and ((exchang\$4 or relocat\$4) with (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:20

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S22	528	S21 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:21
S21	818	((exchang\$4 or relocat\$4) near3 (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:21
S23	127	S22 and (backup or back?up or backup\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:22
S20	2556	((exchang\$4 or relocat\$4) with (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:29
S24	2662	((exchang\$4 or relocat\$4 or swap\$4) with (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:30
S26	1129	S25 and (back or back?up or backup\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:31
S25	1787	S24 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:31
S29	351	S28 and (back or back?up or backup\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:32

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S30	197	S29 and accessible	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 15:33
S33	0	S32 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 16:17
S27	859	((exchang\$4 or relocat\$4 or swap\$4) near3 (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 16:17
S32	3	(exchang\$4 or relocat\$4 or swap\$4) near3 (root adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 16:18
S35	2713	S34 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 16:19
S34	4027	root adj directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 16:19
S31	16	S30 and swap\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 16:19
S38	2	"20030065780"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/17 15:18

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S41	4	S39 and (root with (relocat\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 12:49
S40	191	S39 and relocat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 12:49
S42	2323	(root adj directory) and @ad<"20020401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/03 12:14
S39	2300	(root adj directory) and @ad<"20020401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/03 12:14
S43	157	S42 and (relocat\$3 and copy\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/03 12:15
S2	5	"608722".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 12:10
S44	2	"20040267801" and (internal or pointer\$1 or medium or media or readable or parentless or root)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 14:10
S45	1	"20040267801" and (FAT or (volume near3 label))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 14:11

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S46	1	"20040267801" and (FAT or (volume near3 label) or (FAT with imlementation) or (parent near3 pointer) or (self near3 pointer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 14:12
S47	40	(pointer\$1 same (volume near3 label\$1)) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 14:56
S48	0	"20020056031" and pointer\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 14:58
S49	11	(transform\$3 with tree) and (((replac\$3 or substitut\$3) with tree) same sub-tree)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 14:59
S51	3	S50 and pointer\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:00
S50	9	(transform\$3 with tree) and (((replac\$3 or substitut\$3) with tree) same sub-tree) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:00
S53	1	"6330653".pn. and (volume\$1 or pointer\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:21
S52	25	((swap\$3 or exchang\$3 or replac\$3 or chang\$3) with (volume near3 label\$1) and Pointer\$1 ) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:21

## EAST Search History

S54	16	(parent with self with pointer\$1 ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:41
S55	30	((root near3 directory) with (volume near3 label) ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:44
S57	4	((volume near4 label\$1) with (swap\$4 or exchang\$3) ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:46
S56	5	((root near3 directory) with (swap\$4 or exchang\$3) ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:46
S58	15	((volume near4 label\$1) near5 (root near3 directory) ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 15:56
S60	1223122	( replac\$3 (root near3 directory) ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:09
S59	16	( (chang\$3 or swap\$4 or exchang\$3) with (volume near4 label\$1) and (root near3 directory) ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:09
S61	14	( replac\$3 near4 (root near3 directory) ) and @ad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:30

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S63	1	"20030065780" and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:31
S62	0	"20040133790" and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:31
S64	0	"20030065780" and (volume near3 label\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:32
S65	0	(swap\$4 near4 (volume near3 label)) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:52
S67	0	((exchang\$3 or swap\$4 or replac\$3) with (root near2 directory) near4 (volume near3 label)) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:53
S66	0	((exchang\$3 or swap\$4 or replac\$3) near6 (root near2 directory) near4 (volume near3 label)) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 16:53
S68	6	((root near2 directory) near4 (volume near3 label)) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:01
S72	71	S70 and (volume near2 label) and directories	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:02

## EAST Search History

S71	79	S70 and (volume near2 label)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:02
S70	2497	FAT same ((file near2 system) or directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:02
S69	89174	FAT same (file near2 system) or directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:02
S73	14	S70 and ((volume near2 label) same directories)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:03
S74	14	S73 and transfer\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:11
S77	2	(swap\$4 near3 directories) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:33
S76	0	(swapping near3 directories) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:33
S75	12	S74 and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:33

## EAST Search History

S80	77	S79 and ((relocat\$4 or mov\$3 or swap\$4) with (root adj directory))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:34
S79	2993	S78 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:34
S78	5393	root adj directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:34
S37	63	S35 and ((relocat\$4 or mov\$3 ) with (root adj directory))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:52
S82	3	S81 and (volume near2 label) and gupta	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:53
S81	73	S79 and ((relocat\$4 or mov\$3 ) with (root adj directory))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/05 18:53
S6	997	S5 and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 09:59
S84	24410665	((higher or lower) near4 hierarchy with level with (replac\$3 or swap\$4 or exchang\$3)) @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:01

## EAST Search History

S83	24410668	((higher or lower) with hierarchy with level with (replac\$3 or swap\$4 or exchang\$3)) @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:01
S85	24410665	((higher or lower) near4 hierarchy near5 level with (replac\$3 or swap\$4 or exchang\$3)) @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:02
S87	1	S86 and (higher near2 level)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:07
S86	9	(transform\$3 with tree) and (((replac\$3 or substitut\$3) with tree) same sub-tree) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:11
S88	38	((mov\$3 near4 (higher near2 level)) and hierarch\$3 and directories) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:13
S90	0	((mov\$3 near4 directory near5 (higher near2 level)) with (file near2 system\$1)) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:16
S89	3	((mov\$3 near4 (higher near2 level)) and hierarch\$3 and (directories with (file near2 system\$1))) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:16
S28	563	S27 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:21

## EAST Search History

S93	87	S92 and (higher near2 level)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:22
S92	599	S91 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:22
S94	4	S92 and ((higher near2 level) with (hierarchy or director\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:31
S95	5	"448316".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:32
S91	993	((exchang\$4 or relocat\$4 or swap\$4) near3 (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:53
S96	612	((exchang\$4 or relocat\$4 or swap\$4) near3 (director\$4 or sub?director\$4 or subdirector\$4)) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:54
S97	1	(((exchang\$4 or relocat\$4 or swap\$4) near3 (director\$4 or sub?director\$4 or subdirector\$4)) near5 higher) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:55
S98	105	S96 and ((higher near3 level) or (mov\$3 near3 up))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:56

## EAST Search History

S14	119	S13 and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:00
S99	3831	(hierarchy with ( level near5 (higher or lower)) ) and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:02
S100	1	((hierarchy with ( level near5 (higher or lower))) with (mov\$3 near3 director\$3) ) and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:03
S103	0	"20020138502" and cluster\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:55
S102	2	"20020138502"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:55
S101	31	((hierarchy or tree ) with ( level near5 (higher or lower))) with (mov\$3 near3 (director\$3 or node\$1) ) and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:55
S105	183	(director\$3 near5 cluster\$1 near5 number\$1) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:56
S104	643	(director\$3 near5 cluster\$1) and @ad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 11:56

## EAST Search History

S10 6	2	"20040267801" and (exclusive\$2 or parentless or placeholder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 09:44
S10 7	1	"20040133790" and ntfs	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 09:45
S10 8	2	"20040267801" and (system near2 file\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 09:50
S10 9	1	"20040267801" and (NTFS same HFS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 09:52
S11 0	2	"20040133790" and file\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 09:58
S11 1	1	"20030065780" and file\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 09:59
S11 2	2	"20040267801" and (pointer\$1 or attribute\$1 or exchang\$3 or replac\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 10:25
S11 3	2	"20040133790" and (ntfs or placeholder or file or attricute\$1 or director\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 10:43

## EAST Search History

S11 4	1	"20030065780" and (ntfs or placeholder or file or attricute\$1 or director\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/14 10:44
S11 7	755	S115 and @prad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:43
S11 6	969	S115 and @rlad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:43
S11 5	2032	hierarchical adj file	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:43
S11 9	7	S117 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:45
S11 8	18	S116 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:45
S12 4	26	S120 and @prad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:46
S12 3	50	S120 and @rlad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:46

## EAST Search History

S12 2	26	S120 and @prad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:46
S12 1	50	S120 and @rlad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:46
S12 0	135	Hidden near2 (file adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:46
S13 1	7	S128 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:47
S13 0	26	S128 and @prad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:47
S12 9	50	S128 and @rlad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:47
S12 8	135	Hidden near2 (file adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:47
S12 7	33	S125 and @prad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:47

## EAST Search History

S12 6	60	S125 and @rlad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:47
S12 5	251	backup adj directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:47
S13 4	3	S133 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:48
S13 3	204	S132 and @rlad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:48
S13 2	1009	((exchang\$4 or relocat\$4) near3 (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:48
S14 1	223	S140 and @rlad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:49
S14 0	1069	((exchang\$4 or relocat\$4 or swap\$4) near3 (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:49
S13 9	1	S137 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:49

## EAST Search History

S13 8	11	S136 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:49
S13 7	550	S135 and @prad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:49
S13 6	896	S135 and @rlad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:49
S13 5	3411	((exchang\$4 or relocat\$4 or swap\$4) with (director\$4 or sub?director\$4 or subdirector\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:49
S14 4	3	S141 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:50
S14 3	0	"L2173" and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:50
S14 2	184	S140 and @prad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:50
S15 1	20	S149 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:51

## EAST Search History

S15 0	47	S148 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:51
S14 9	1992	S147 and @prad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:51
S14 8	2124	S147 and @rlad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:51
S14 7	6017	root adj directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:51
S14 6	0	S145 and @rlad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:51
S14 5	2	(exchang\$4 or relocat\$4 or swap\$4) near3 (root adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:51
S15 7	1741	(root adj directory) and @prad<"20020401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:52
S15 6	1942	(root adj directory) and @rlad<"20020401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:52

## EAST Search History

S15 5	17	S153 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:52
S15 4	41	S152 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:52
S15 3	1741	(root adj directory) and @prad<"20020401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:52
S15 2	1942	(root adj directory) and @rlad<"20020401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:52
S16 1	13	(pointer\$1 same (volume near3 label\$1)) and @prad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:53
S16 0	27	(pointer\$1 same (volume near3 label\$1)) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:53
S15 9	17	S157 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:53
S15 8	41	S156 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:53

## EAST Search History

S16 6	0	((root near3 directory) with (swap\$4 or exchang\$3) ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:54
S16 5	19	((root near3 directory) with (volume near3 label) ) and @prad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:54
S16 4	20	((root near3 directory) with (volume near3 label) ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:54
S16 3	2	(parent with self with pointer\$1 ) and @prad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:54
S16 2	4	(parent with self with pointer\$1 ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:54
S17 1	0	( (chang\$3 or swap\$4 or exchang\$3) with (volume near4 label\$1) and (root near3 directory) ) and @prad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:55
S17 0	7	( (chang\$3 or swap\$4 or exchang\$3) with (volume near4 label\$1) and (root near3 directory) ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:55
S16 9	5	((volume near4 label\$1) near5 (root near3 directory) ) and @prad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:55

## EAST Search History

S16 8	11	((volume near4 label\$1) near5 (root near3 directory) ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:55
S16 7	0	((volume near4 label\$1) with (swap\$4 or exchang\$3) ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:55
S17 3	541	S172 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:56
S17 2	440227	( replac\$3 (root near3 directory) ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:56
S18 0	5	S178 and @prad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:57
S17 9	8	S178 and @rlad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:57
S17 8	14	S177 and transfer\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:57
S17 7	14	S176 and ((volume near2 label) same directories)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:57

## EAST Search History

S17 6	2800	FAT same ((file near2 system) or directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:57
S17 5	9	( replac\$3 near4 (root near3 directory) ) and @prad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:57
S17 4	9	( replac\$3 near4 (root near3 directory) ) and @rlad<"20030600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:57
S18 5	20	S183 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:58
S18 4	47	S182 and 707/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:58
S18 3	1992	S181 and @prad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:58
S18 2	2124	S181 and @rlad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:58
S18 1	6017	root adj directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 12:58

## EAST Search History

S18 7	2	(parentless with director\$3)".clm" and @rlad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:03
S18 6	0	(parentless with director\$3).clm. and @rlad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:03
S19 0	330	S188 and (root near2 director\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:04
S18 9	419	S188 and (root with director\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:04
S18 8	9398	((switch\$3 or exchang\$3) with director\$3)".clm" and @rlad<"20030601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:04
S19 1	56	S190 and boot\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:05
S19 4	75	S193 and ((relocat\$4 or mov\$3 ) with (root adj directory))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:27
S19 3	3050	S192 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:27

## EAST Search History

S19 2	6017	root adj directory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:27
S20 0	711	S195 and "707".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:28
S19 9	126	S198 and "707".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:28
S19 8	364	S197 and (root adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:28
S19 7	888	S196 and (file adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:28
S19 6	1142	S195 and @ad<"20030626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:28
S19 5	2032	hierarchical adj file	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/15 13:28
S20 2	2	"20050050055" and apparatus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/19 10:09

## EAST Search History

S20 1	6	"648064".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/19 10:09
S20 3	6	"836503".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/19 10:21
S20 4	2	"20040267801" and system\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/20 09:26